—Standard Valves—

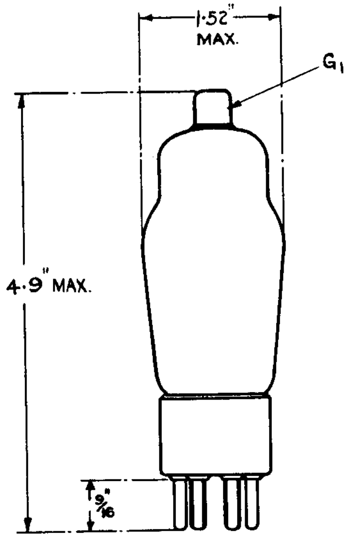
4328-A VALVE

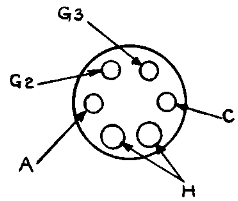
PENTODE.

SPECIFICATION.

Cathode.
Indirectly heated oxide coated.
Constant current type.

Base.
American small 6-pin.
Control grid connected to top cap type B.
The cathode should preferably be connected to the heater. If voltage must be applied between cathode and heater it should not exceed 150 volts.





Dimensions.

Maximum overall length	4·9" (12·5 cms.)
Maximum diameter	1·52" (3·8 cms.)
Net weight	0·11 db (50 gms.)

Constants.

Nominal heater voltage	7·5 volts
Heater current	0·425 amps.
*Mutual conductance	1·9 mA. per volt

Inter-electrode Capacities.

Control grid to anode	0·025 $\mu\mu$F.
Suppressor grid to anode	12·5 $\mu\mu$F.
Anode to heater, cathode and screen grid	2·2 $\mu\mu$F.
Control grid to suppressor grid	1·8 $\mu\mu$F.
Control grid to heater, cathode and screen grid	4·0 $\mu\mu$F.
Suppressor grid to heater, cathode and screen grid	7·5 $\mu\mu$F.

* $V_p = 250$v. $V_{g_2} = 180$v. $V_{g_3} = 0$, $V_{g_1} = -5·5$v.

LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage	250 volts
Maximum direct screen voltage	180 volts
Maximum cathode current (screen current + anode current).	10 mA.
Maximum screen current	2·5 mA.

Note :—When this valve is used in series with other valves of a different type, protection should be provided for the heaters at the moment of switching on. For this purpose the 4120-AA and 4121-AA Ballast Lamps are available.

Tentative data.

—Standard Valves—

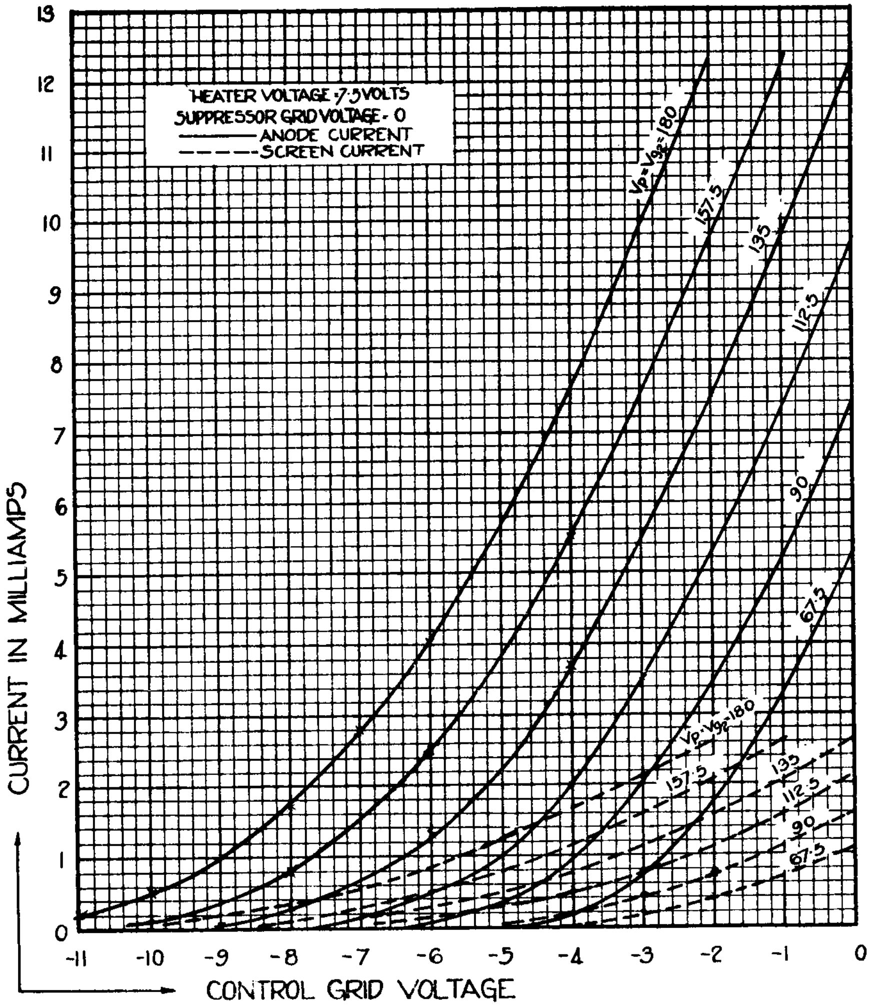
TYPICAL OPERATING CONDITIONS.

Anode voltage	135	135	135	135	135	135	180	180	225	225	* 250	250	250	250	volts
Screen grid voltage	135	135	135	135	135	135	135	135	135	135	135	135	135	135	volts
Control grid bias	—3	—3	—3	—3	—3	—3	—3	—3	—3	—3	—3	—3	—3	—3	volts
Suppressor grid voltage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	volts
Anode current	5·4	5·4	5·4	5·4	5·4	5·4	5·4	5·4	5·5	5·5	5·5	5·5	5·5	5·5	mA.
Load resistance	20000	60000	60000	60000	100000	100000	40000	100000	60000	100000	60000	60000	100000	100000	ohms
Input voltage	3·00	1·60	0·95	1·15	0·57	0·40	2·70	1·50	2·70	1·80	2·70	1·20	2·10	1·50	peak volts
Output voltage	—	—	—	100	75	50	—	175	—	220	—	—	250	200	peak volts
Output power	250	130	60	—	—	—	340	—	425	—	480	110	—	—	mW
Second harmonic	22	26	35	33	35	40	26	26	27	27	26	30	26	30	db
Third harmonic	30	28	45	39	50	55	28	30	27	31	30	55	29	43	db

* Maximum operating conditions.

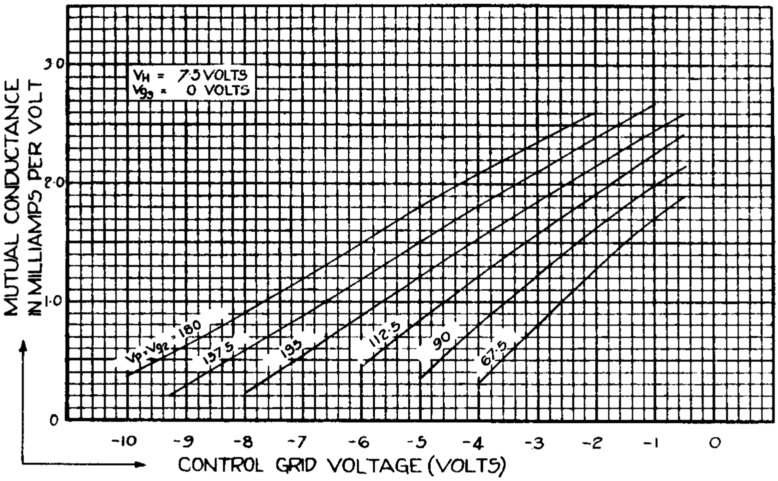
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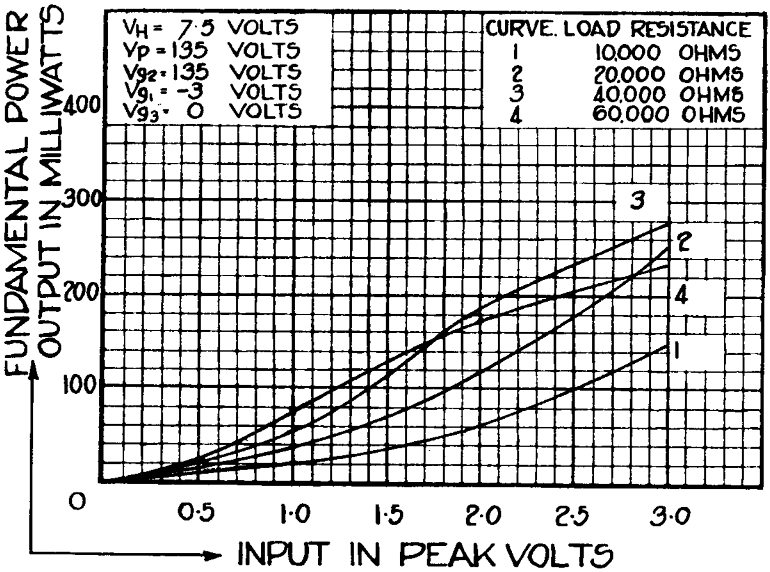
—Standard Valves—



Tentative data

—Standard Valves—

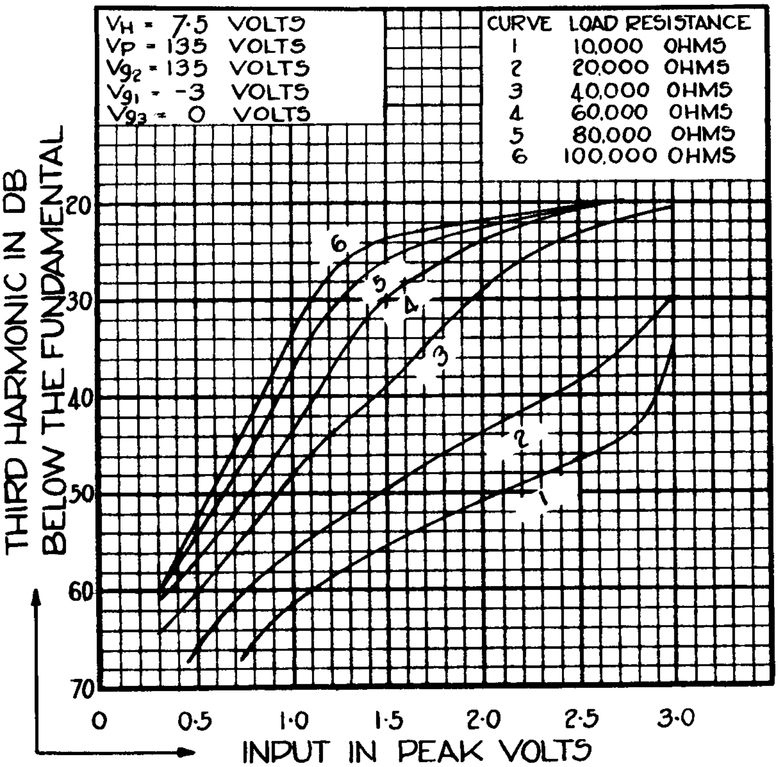


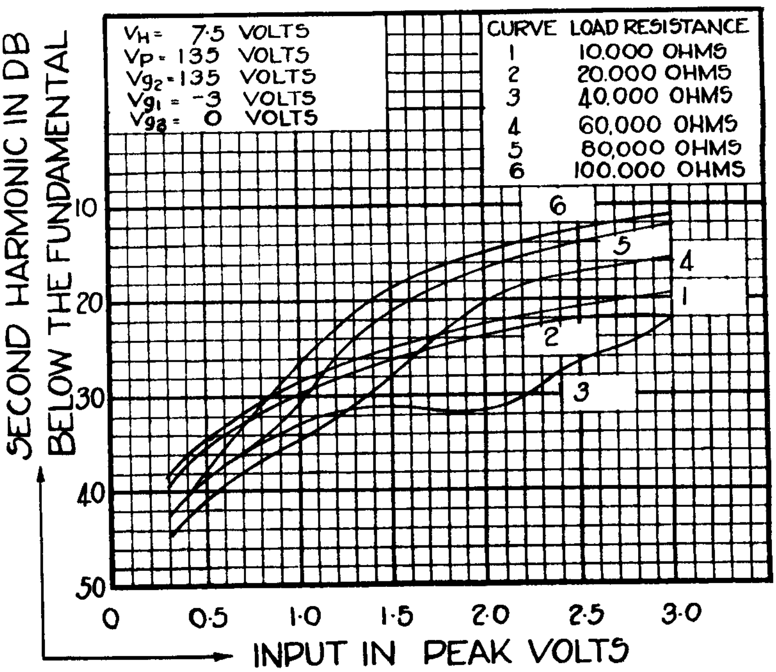


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—Standard Valves—

4328.A VALVE





Tentative data

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